

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU122018\  
 Data File : VU028853.D  
 Acq On : 21 Dec 2018 02:44  
 Operator : MD/SY  
 Sample : J6513-09  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9F67

Quant Time: Dec 21 07:38:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122018WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 21 05:57:29 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 229252   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 212978   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 89273    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 73095    | 39.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 79.54%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 60130    | 42.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 84.72%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 93648    | 30.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 60.60%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 132491   | 102.89   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.89% |
| 24) Chloroform-d               | 4.65    | 84    | 126981   | 43.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 82309    | 46.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.40%  |
| 32) Benzene-d6                 | 5.34    | 84    | 276063   | 45.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.76%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 96301    | 47.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 94.22%  |
| 41) Toluene-d8                 | 7.56    | 98    | 241707   | 44.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.66%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 40706    | 44.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.88%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 105584   | 108.76   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 108.76% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 136731   | 48.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.44%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 88326    | 48.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.84%  |

| Target Compounds      |      |     |       |            | Qvalue |
|-----------------------|------|-----|-------|------------|--------|
| 13) Acetone           | 2.32 | 43  | 1943  | 1.481 ug/L | 84     |
| 46) Tetrachloroethene | 8.22 | 164 | 10132 | 8.037 ug/L | 95     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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